

08/24/74

1/15  
NSC1-54400

5586117

9  
37079  
16±8ms  
100ns  
16±8ms

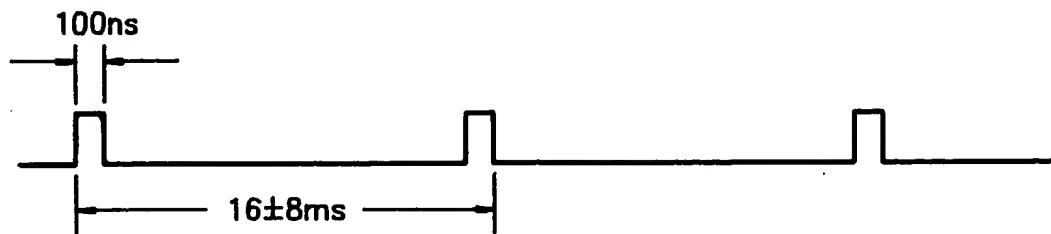


FIG. 1

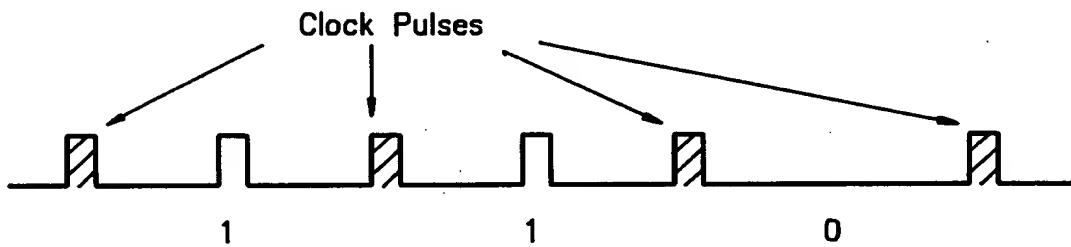


FIG. 2

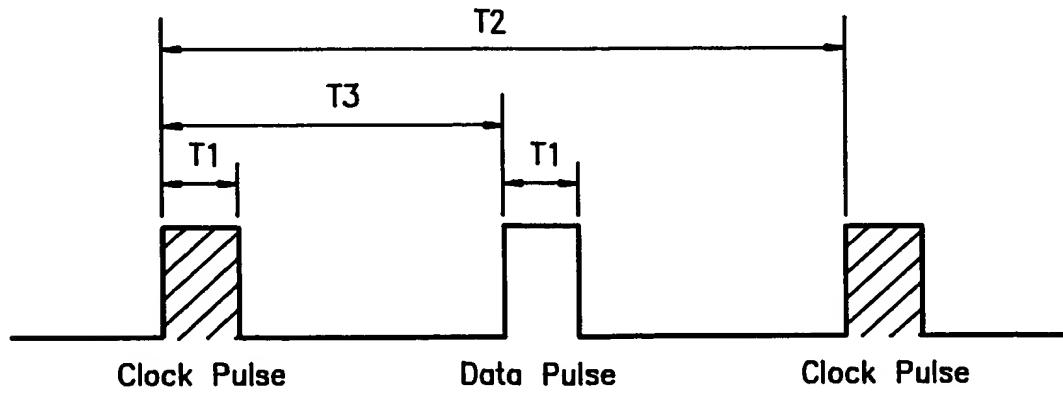


FIG. 3

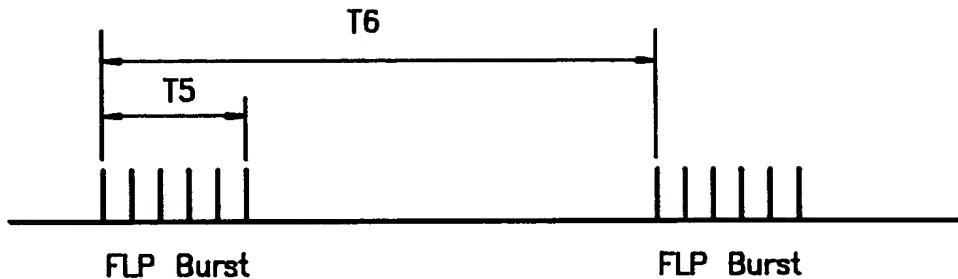


FIG. 4

#	Parameter	Min	Typ	Max	units
T1	Clock/Date Pulse Width		100		ns
T2	Clock Pulse to Clock Pulse		125		μs
T3	Clock Pulse to Data Pulse (Data=1)		62.5		μs
T4	Pulses in a Burst	17		33	#
T5	Burst Width		2		ms
T6	Burst to Burst	8	16	24	ms

FIG. 5

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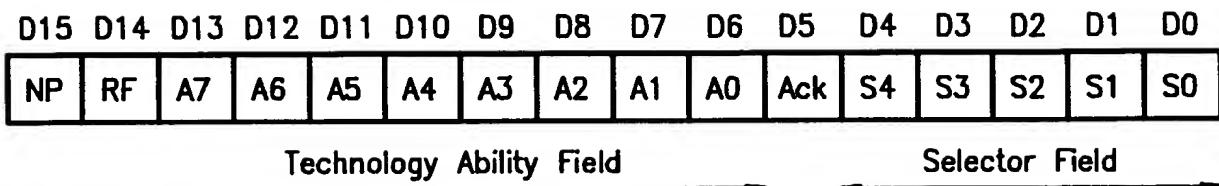


FIG. 6

D 1 0	D 9	D 8	D 7	D 6	Description
0	0	0	0	1	10BASE-T
0	0	0	1	0	10BASE-T Full Duplex
0	0	1	0	0	100BASE-TX
0	1	0	0	0	100BASE-TX Full Duplex
1	0	0	0	0	100BASE-T4

FIG. 7

D 1 0	D 9	D 8	D 7	D 6	Description
0	0	0	1	1	Regular and Full Duplex 10BASE-T
1	0	1	0	1	10BASE-T, 100BASE-TX, and 100BASE-T4 all supported in normal configurations.
0	0	1	0	1	10BASE-T and 100BASE-TX configurations both supported.
1	1	1	0	0	100BASE-TX, 100BASE-T4, 100BASE-TX Full Duplex supported.

FIG. 8

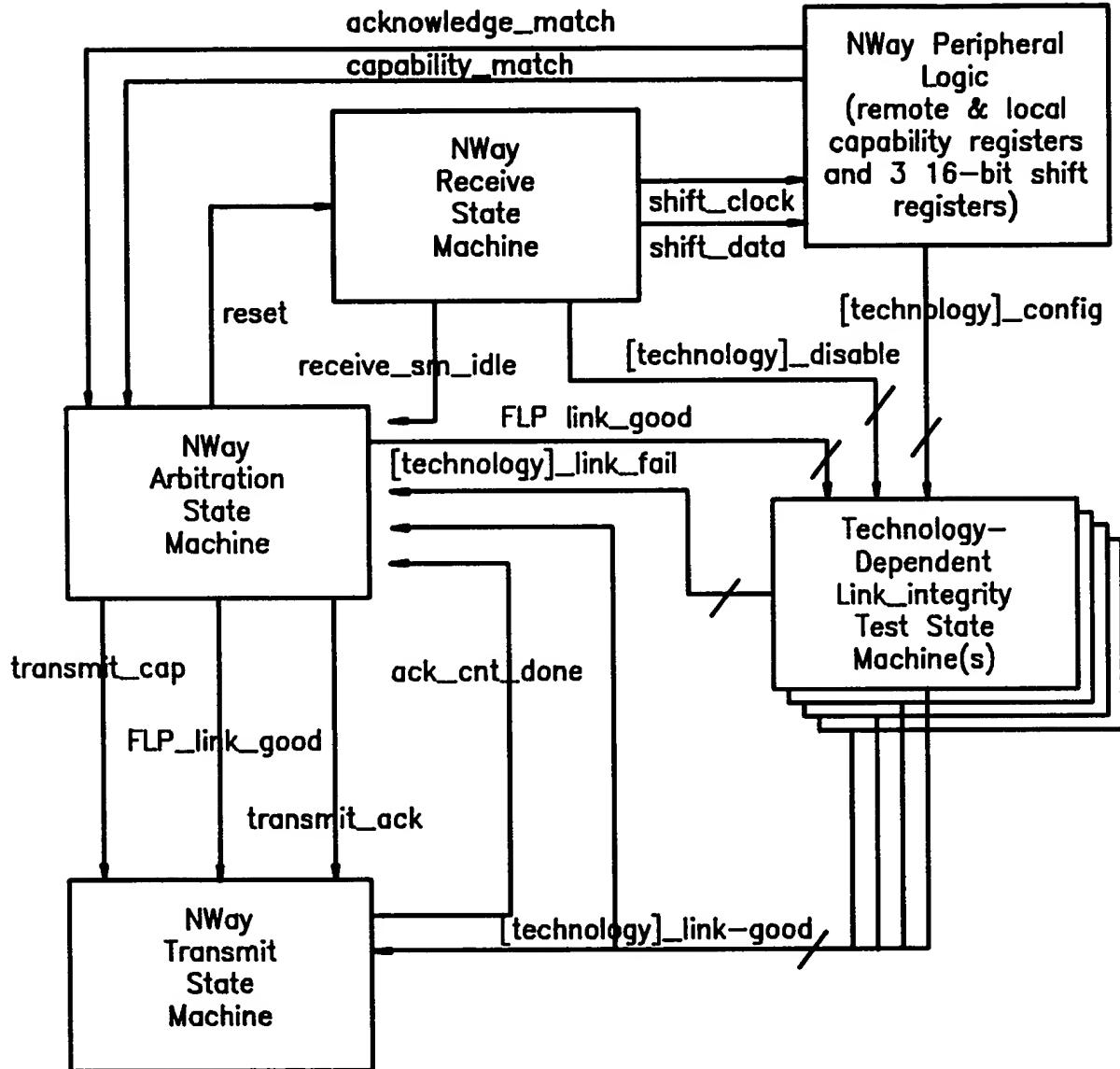


FIG. 9

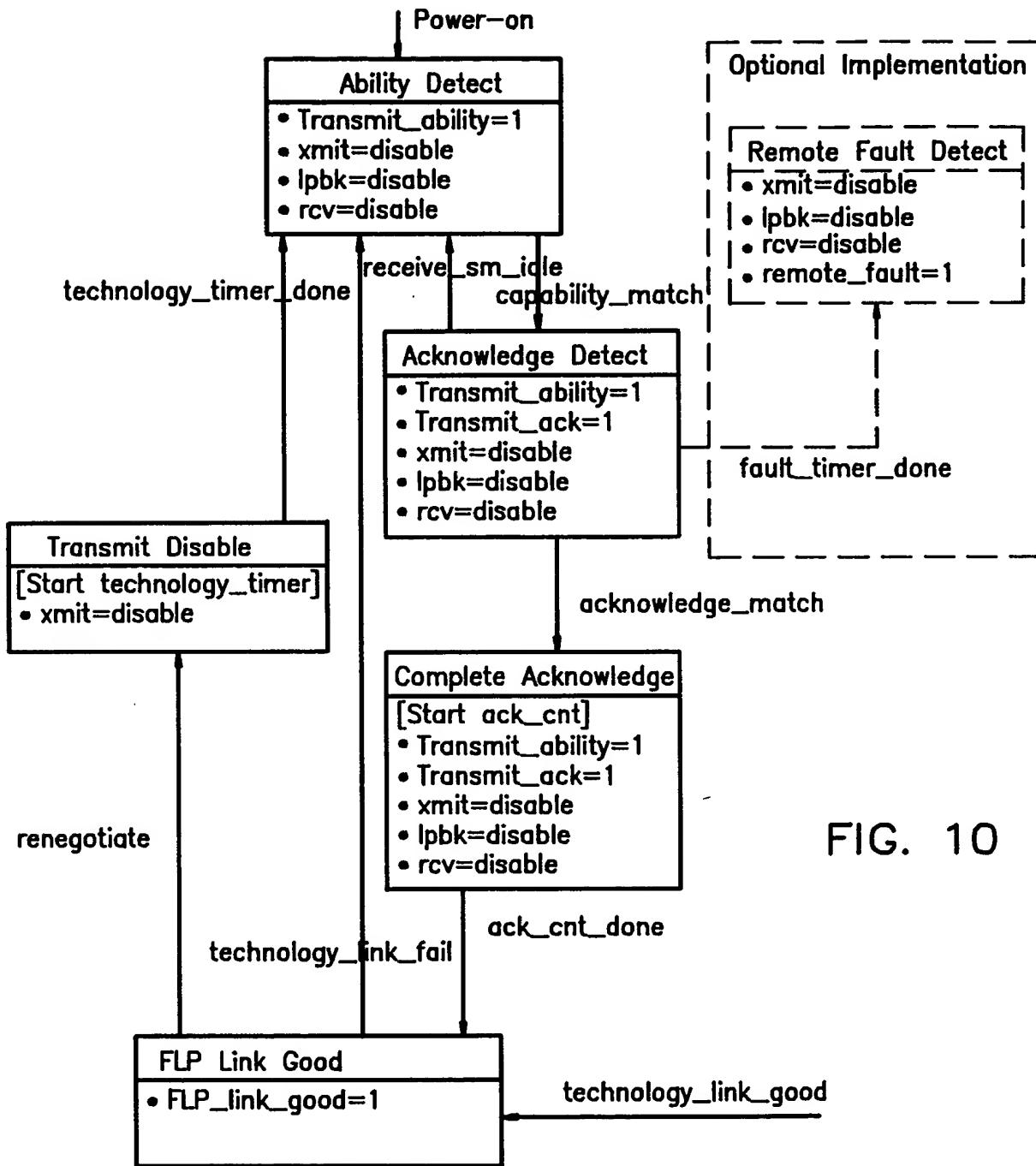


FIG. 10

Note

- Ability\_match is 3 consecutive data pattern match, ignoring acknowledgment bit.
- Acknowledge\_match is 3 consecutive data patterns having acknowledgment bit set.
- ack\_cnt\_done is from FLP Transmit SM to indicate completion of sending a minimum of 4-16 acknowledge patterns.
- optional remote sensing capability, refer to Management support section.

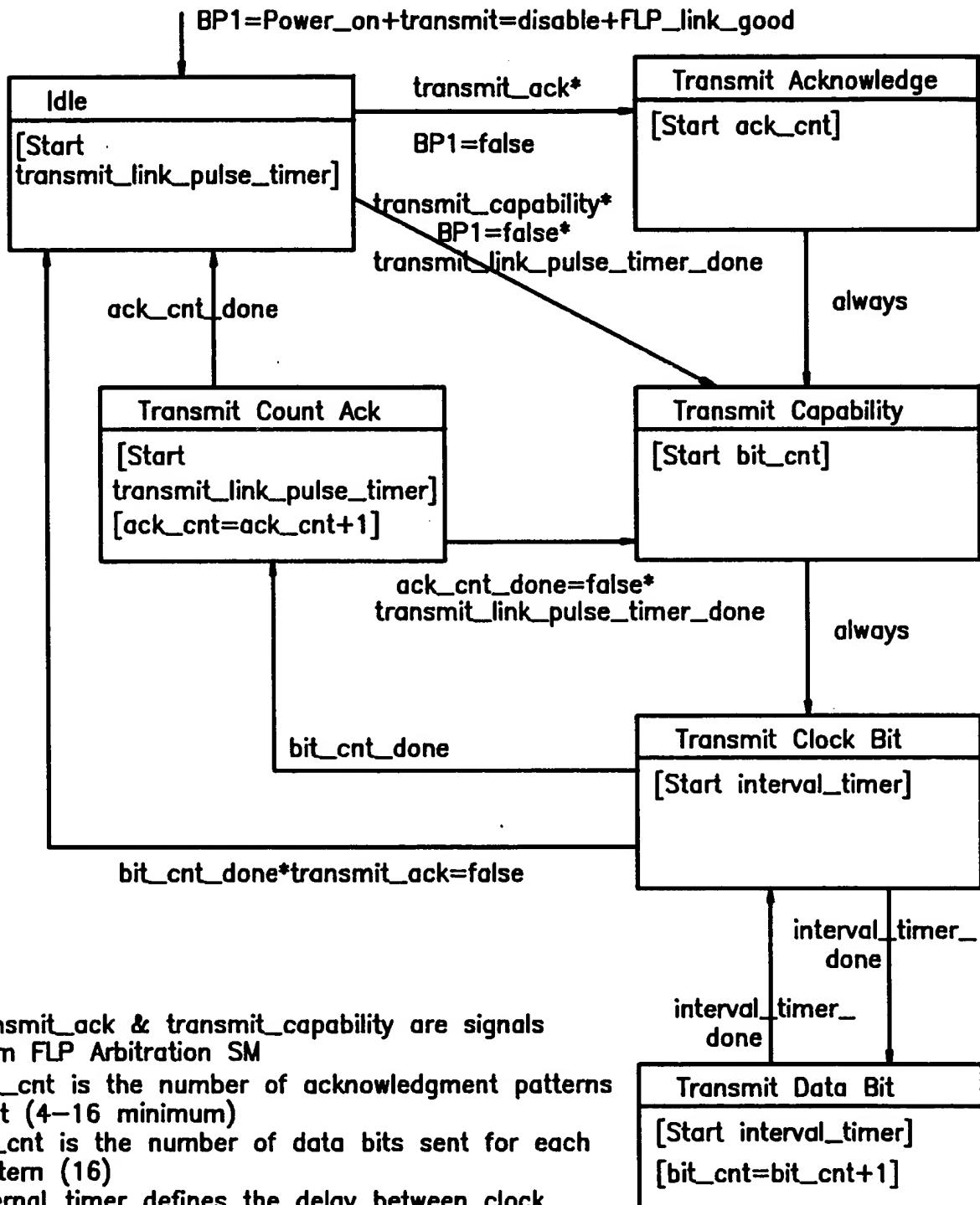


FIG. 11

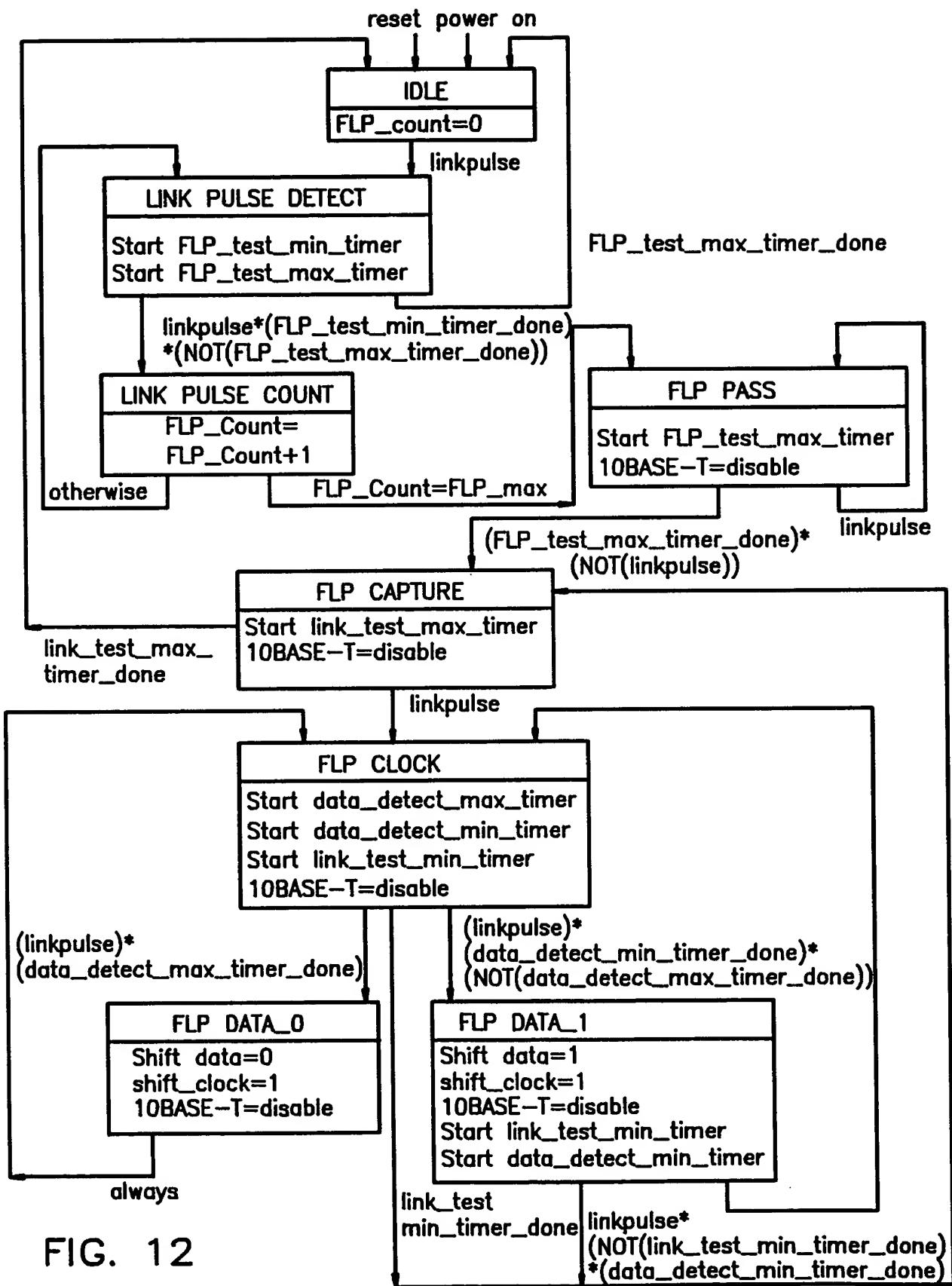


FIG. 12

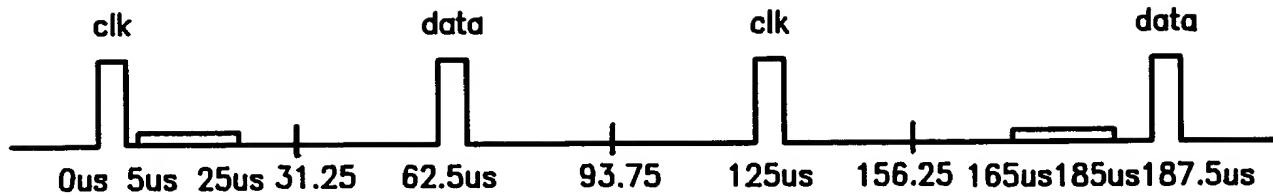


FIG. 13

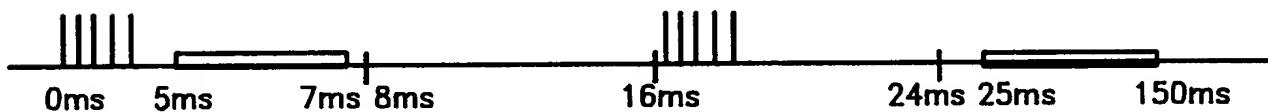


FIG. 14

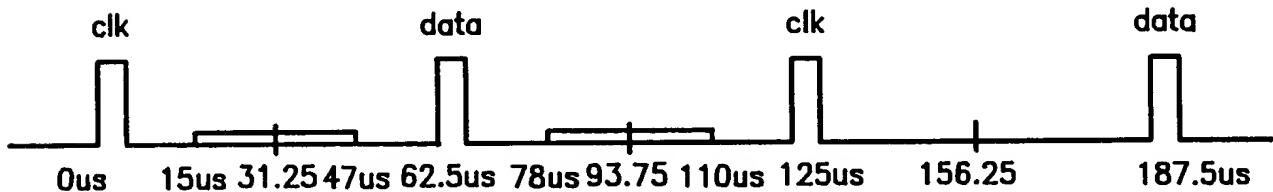


FIG. 15

Parameter	Min	Typ	Max	units
FLP_test_min_timer	5		25	us
FLP_test_max_timer	165		185	us
Link_test_min_timer	5		7	ms
Link_test_max_timer	50		150	ms
Data_detect_min_timer	15		47	us
Data_detect_max_timer	78		110	us

FIG. 16

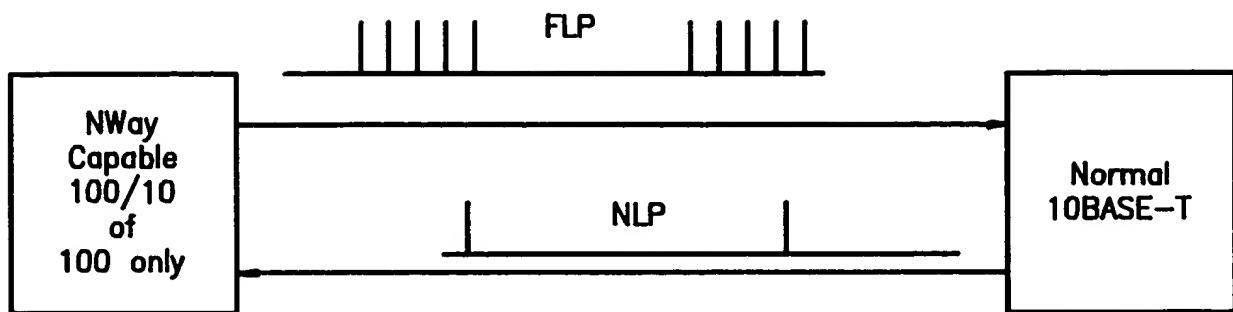


FIG. 17

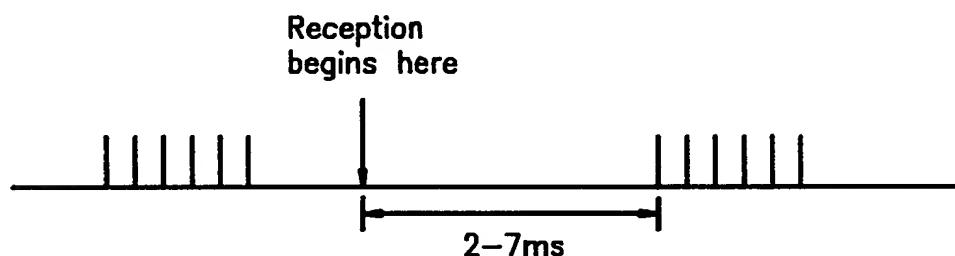


FIG. 18



FIG. 19

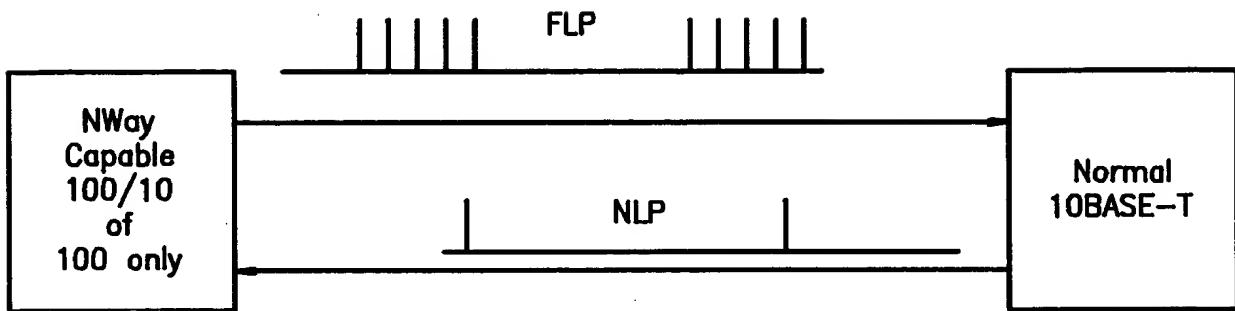


FIG. 20

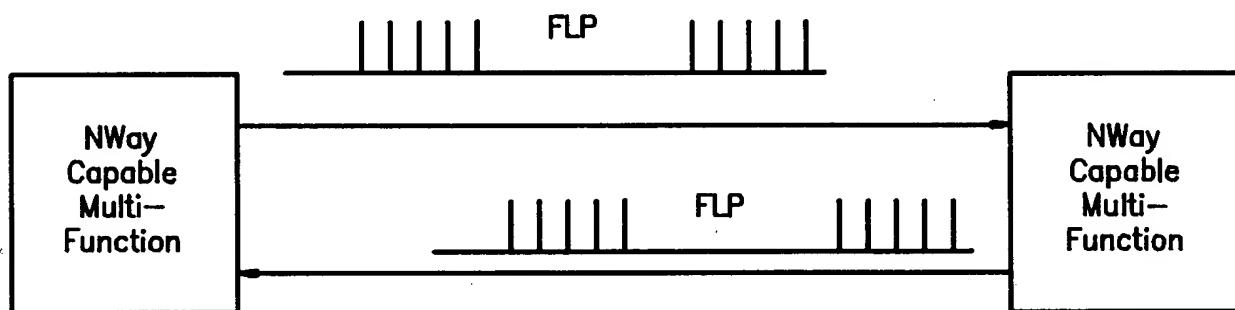


FIG. 21

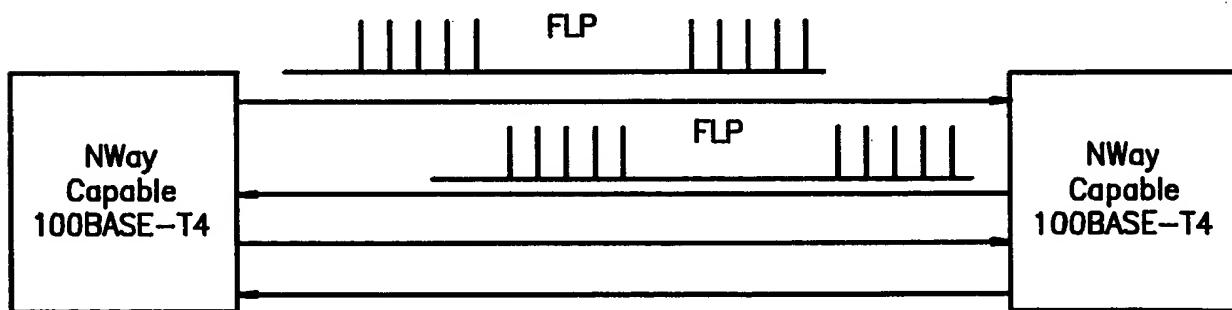


FIG. 22

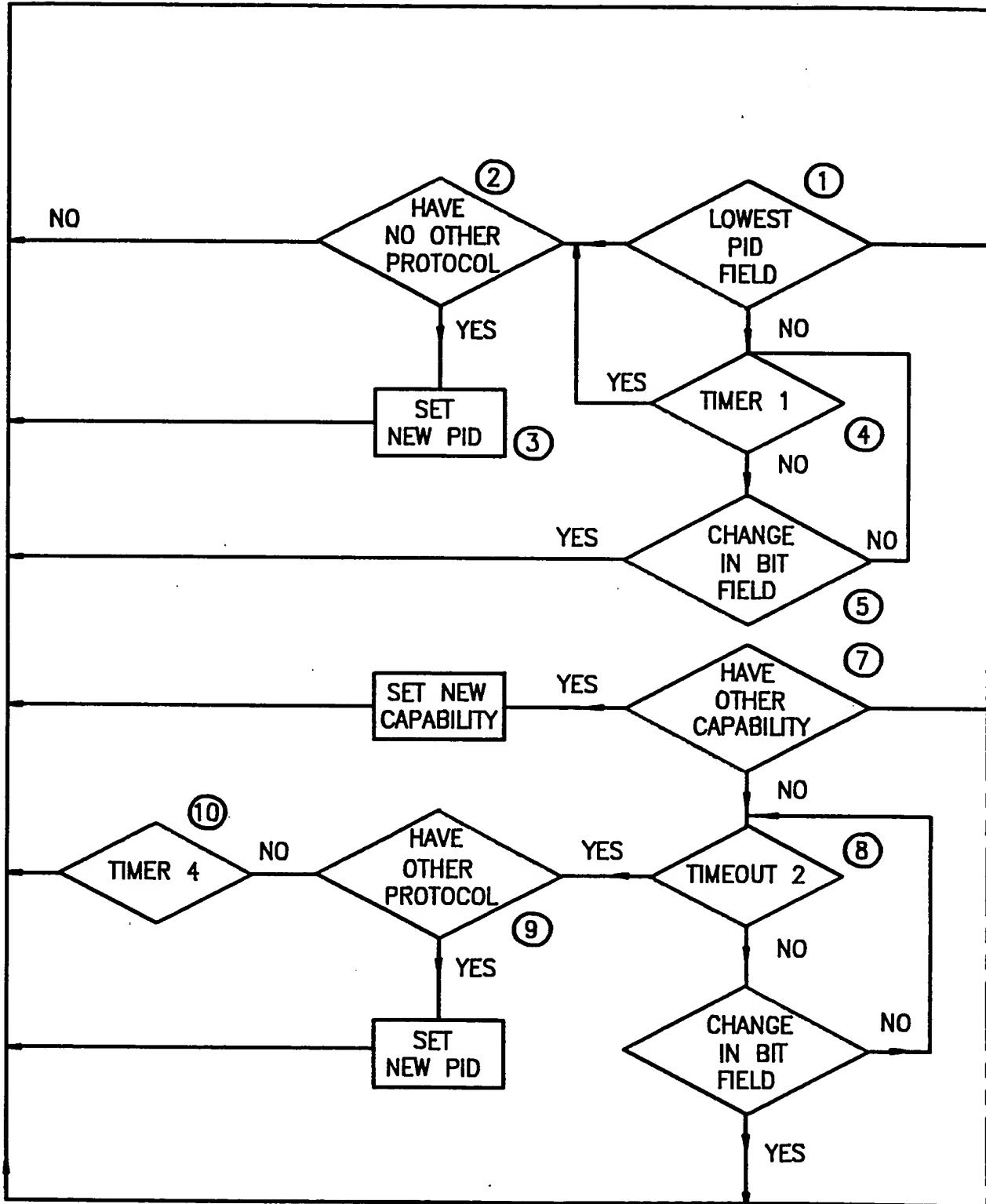
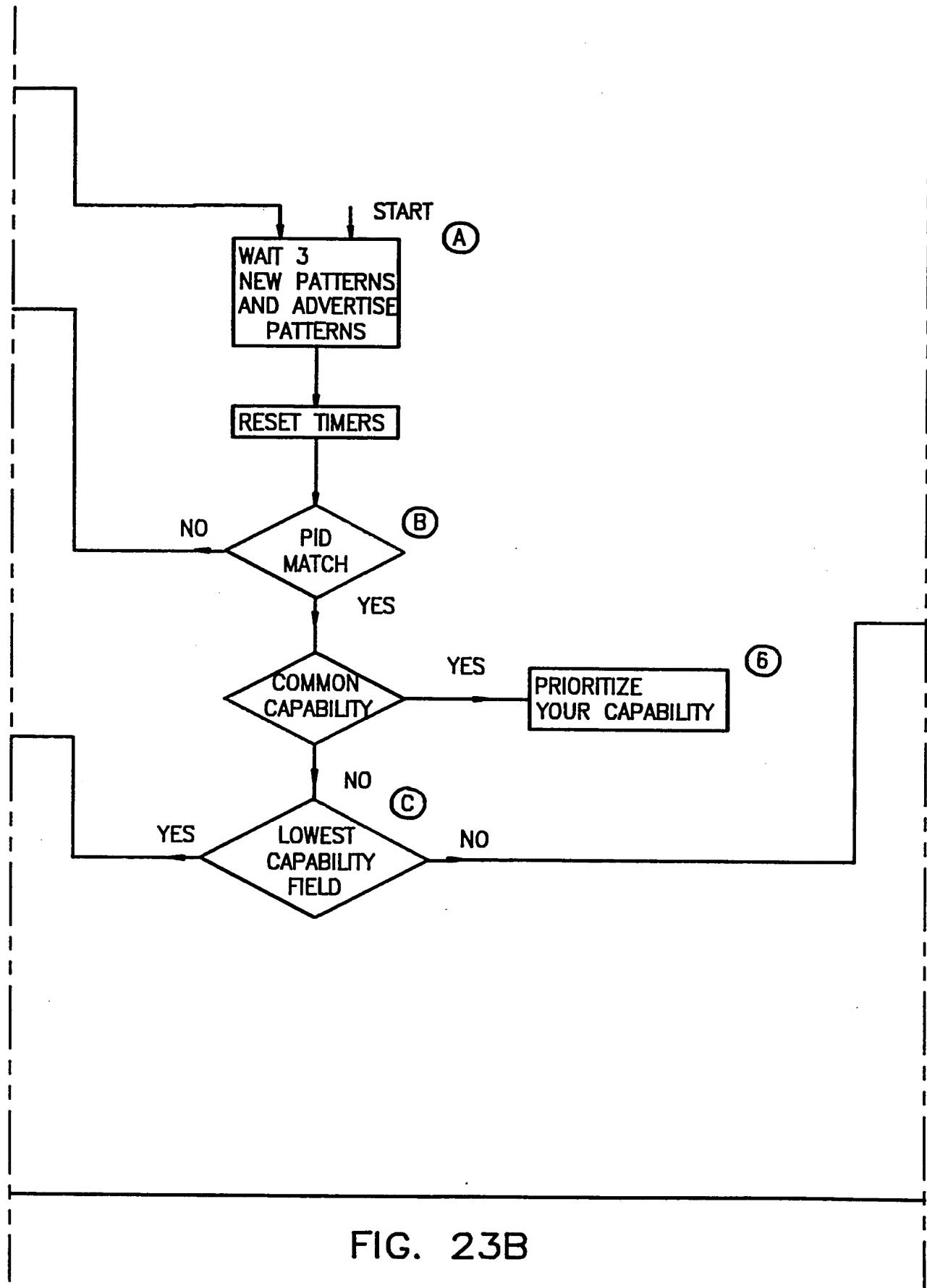


FIG. 23A



KEY TO FIGURE 23

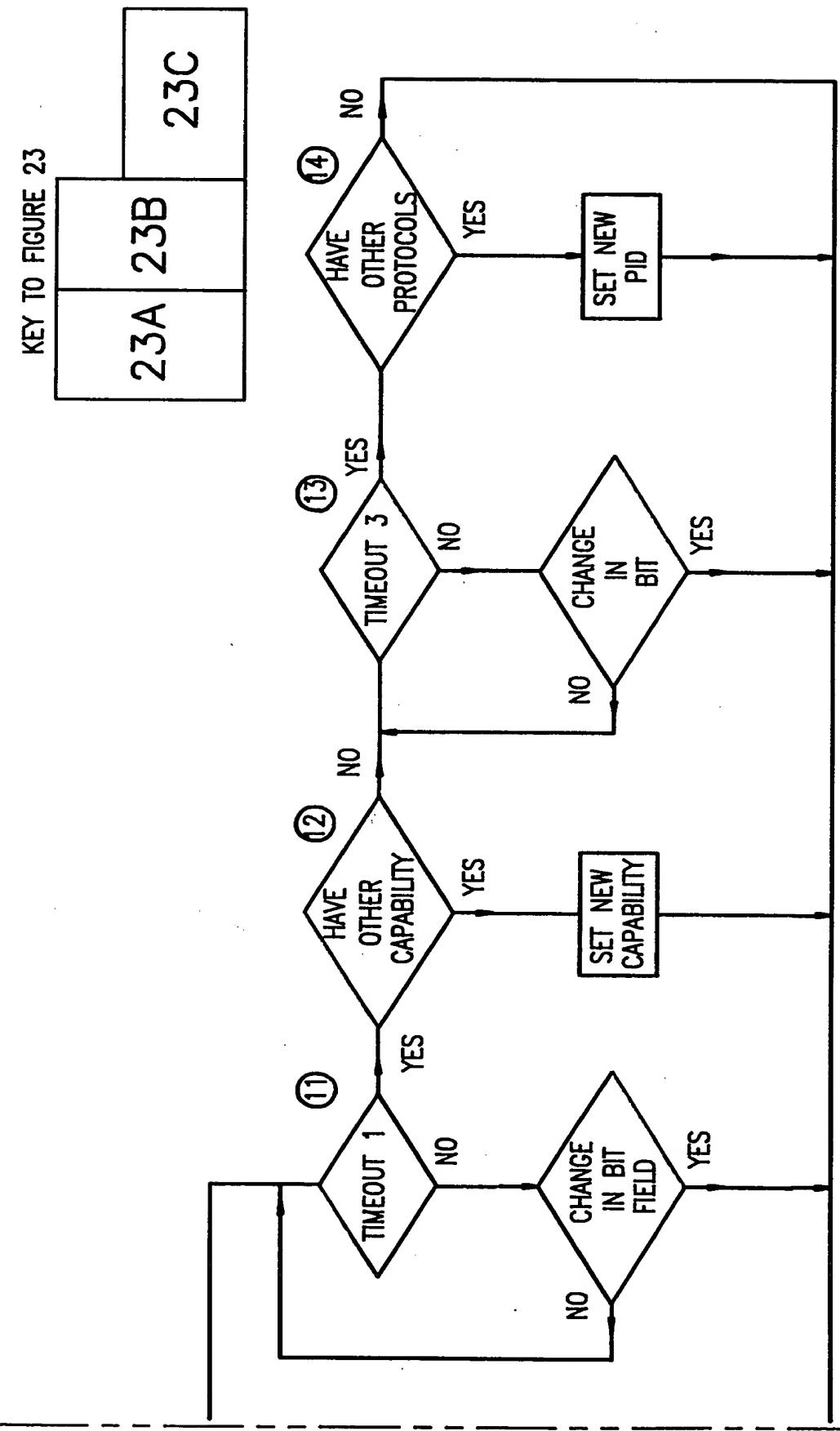


FIG. 23C

Data Word Encoding (Multi-Protocol Negotiation)

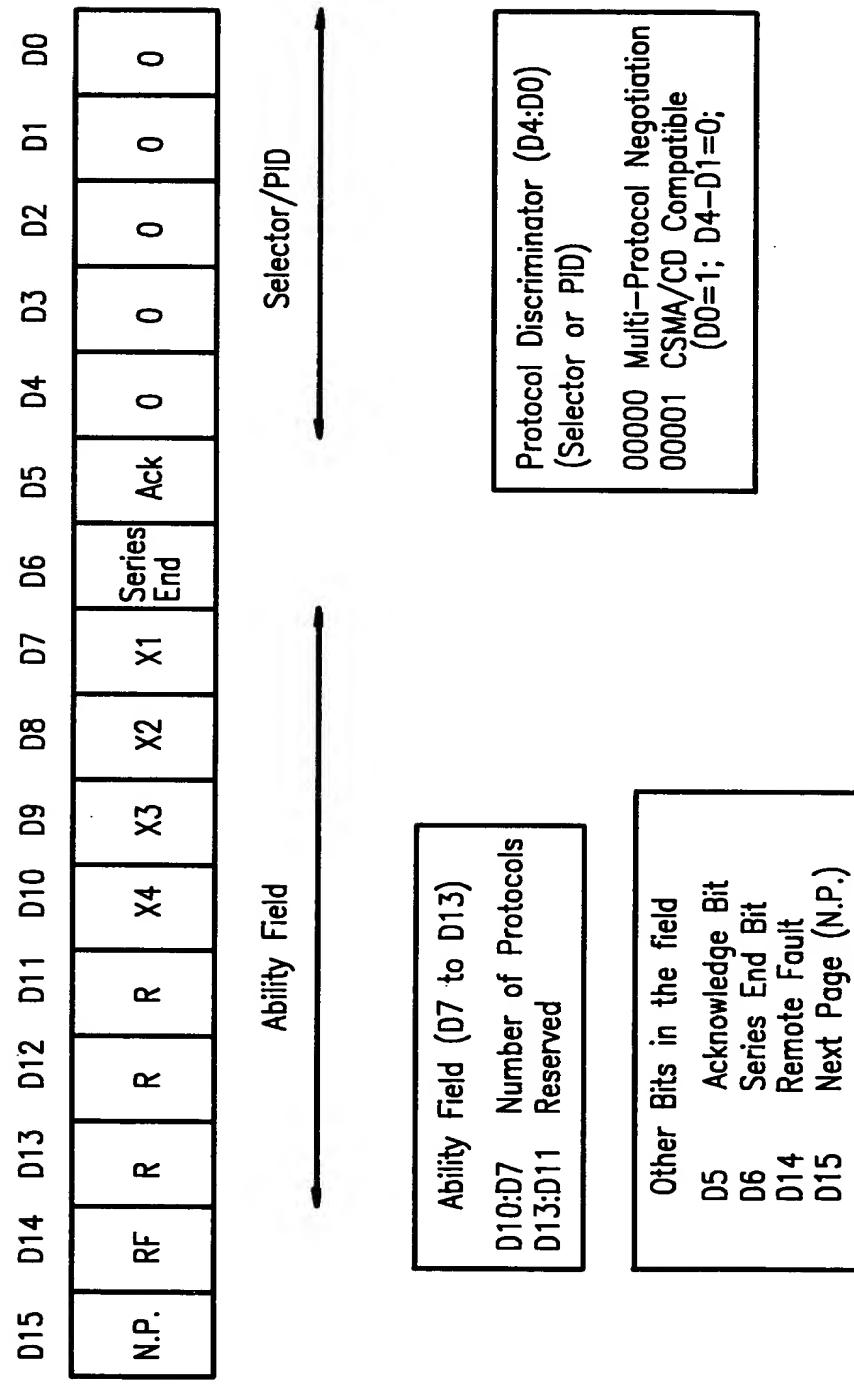
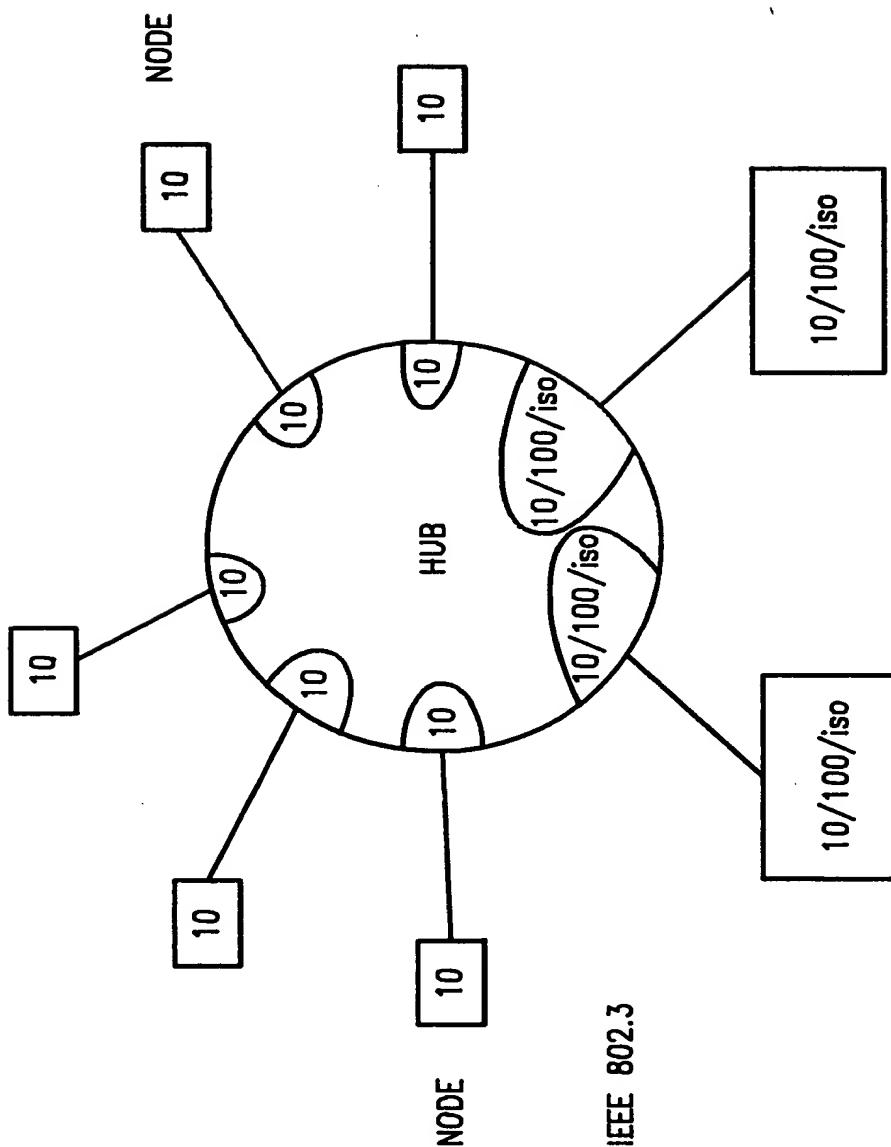


FIG. 24



10=10 BASE T  
100=100 BASE T  
iso=IEEE 802.9

FIG. 25